MODIS Science Data Support Team (SDST) Meeting Minutes 7/30/93

ATTENDEES: Phil Ardanuy, John Bauernschub, Lloyd Carpenter, Ruiming Chen, John Crocker, Larry Fishtahler, Nazmi Elsaleous, Al Fleig, Tom Goff, Paul Hubanks, Bo-Cai Gao, Ginny Kalb, John Moses, J.J. Pan, Carl Solomon, Jim Storey, Lalit Wanchoo

MODIS AIRBORNE SIMULATOR (MAS) METADATA: Paul Hubanks reported on three types of MAS metadata. Paul also described a MAS Tape Processing log. Paul reported that at present there is no Macintosh display software for the new HDF format. However, current NCSA plans are to provide one in the Fall.

Al Fleig asked to meet with Paul and Jim to discuss the pointing error report.

MODIS SHELL DESIGN: J.J. Pan described two MODIS Level 2 Data Processing Shell prototypes. Al asked if anyone is writing a plan for prototyping. Phil Ardanuy is to coordinate this with Ed Masouka.

UNIX MAGNETIC TAPE PROBLEMS: Tom Goff reported on the problems of copying magnetic tapes of arbitrary block size.

SGML: Tom Goff reported on articles about Standard Generalized Markup Language (SGML).

SPACECRAFT CLOCK RESOLUTION: Tom Goff said that the spacecraft clock resolution was 100 usec. This contributes about .75 m to spacecraft position uncertainty.

MODIS SPACE VIEW: Tom Goff reported that a short computation for viewing celestial bodies by MODIS is also being prepared. It was noted that John Barker assures us that the Sun and Moon are the only celestial bodies which can be detected by MODIS. Al noted that this differs from what was mentioned last week and that someone must have gotten incorrect information. If John is correct, then there is no need for a celestial body computation. If he is not, then this should be a toolkit function and not something we are doing.

MODIS GEOLOCATION: Jim Storey presented copies of the "MODIS Earth Location Prototype and Test Plan" and said that the "MODIS Level 1A Earth Location Algorithm Theoretical Basis Document" did conform to Vince's outline and contained a section on errors.

ACTION ITEMS:

1. 07/02/93 [Tom Goff] Due Date: 07/30/93. Provide scenarios for the OPs concept about how MODIS will access data from DADS to TLCF. See Ed and Al. STATUS: Tom discussed this with Al and will provide the necessary scenarios. Open.

2. 05/28/93 [Jim Storey]. Due Date: 07/30/93. Develop a plan and schedule for MODIS geolocation prototyping and testing. STATUS: A plan was distributed at this meeting. Closed.

3. 07/02/93 [Paul Hubanks] Due Date: 07/30/93. Contact Sherri Calvo about Guide, Directory, and Inventory metadata and provide it all to MAS. STATUS: Closed.

4. 06/25/93 [Paul Hubanks]. Due Date: 07/30/93. Get the HDF display software from NCSA and test it on Macintosh computers with the data produced from the MAS software. STATUS: Closed since no software is currently available. Paul is to check this again in the Fall.

5. 07/09/93 [Lloyd Carpenter, Carl Solomon]. Due Date: 08/05/93. Develop PERT chart showing tasks, schedules, and resources for the SDST. STATUS: Open.

6. 07/02/93 [John Crocker] Due Date: 08/06/93. Establish a MODIS document management plan. STATUS: Open.

7. 05/21/93 [John Crocker]. Due Date: 08/10/93. Complete the first draft of the MODIS Operations Concept document. (Tom Goff will contact MCST about their contribution.) STATUS: Open.

8. 07/30/93 [Tom Goff]. Due Date: 08/13/93. Determine MODIS requirements for metadata on ancillary products. These include Version Number, changes in generating software, etc. STATUS: Open.

9. 07/23/93 [Al Fleig] Due Date: 08/13/93. Speak to Steve Unger on simulation data. Develop an approach for a plan for simulated test data. STATUS: Open.

10. 07/02/93 [Ruiming Chen, J.J. Pan] Due Date: 08/20/93. Develop an ancillary data product document. Use information in ATBDs. Identify what data sets are to be used for: generating standard Data Products, validation, and QA. Identify requirements for second choices in ancillary data sets if an investigator fails to get the desired data on a particular day. STATUS: Open.

11. 06/25/93 [Paul Hubanks & Carl Solomon]. Due Date: 09/03/93. Evaluate the SeaWiFS scheduling algorithm and code to see if it can be applied to MODIS prototyping. STATUS: Open.